

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031047.D
 Acq On : 02 Sep 2022 02:00
 Operator : JC/MD
 Sample : N4298-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20220822

Quant Time: Sep 02 02:58:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

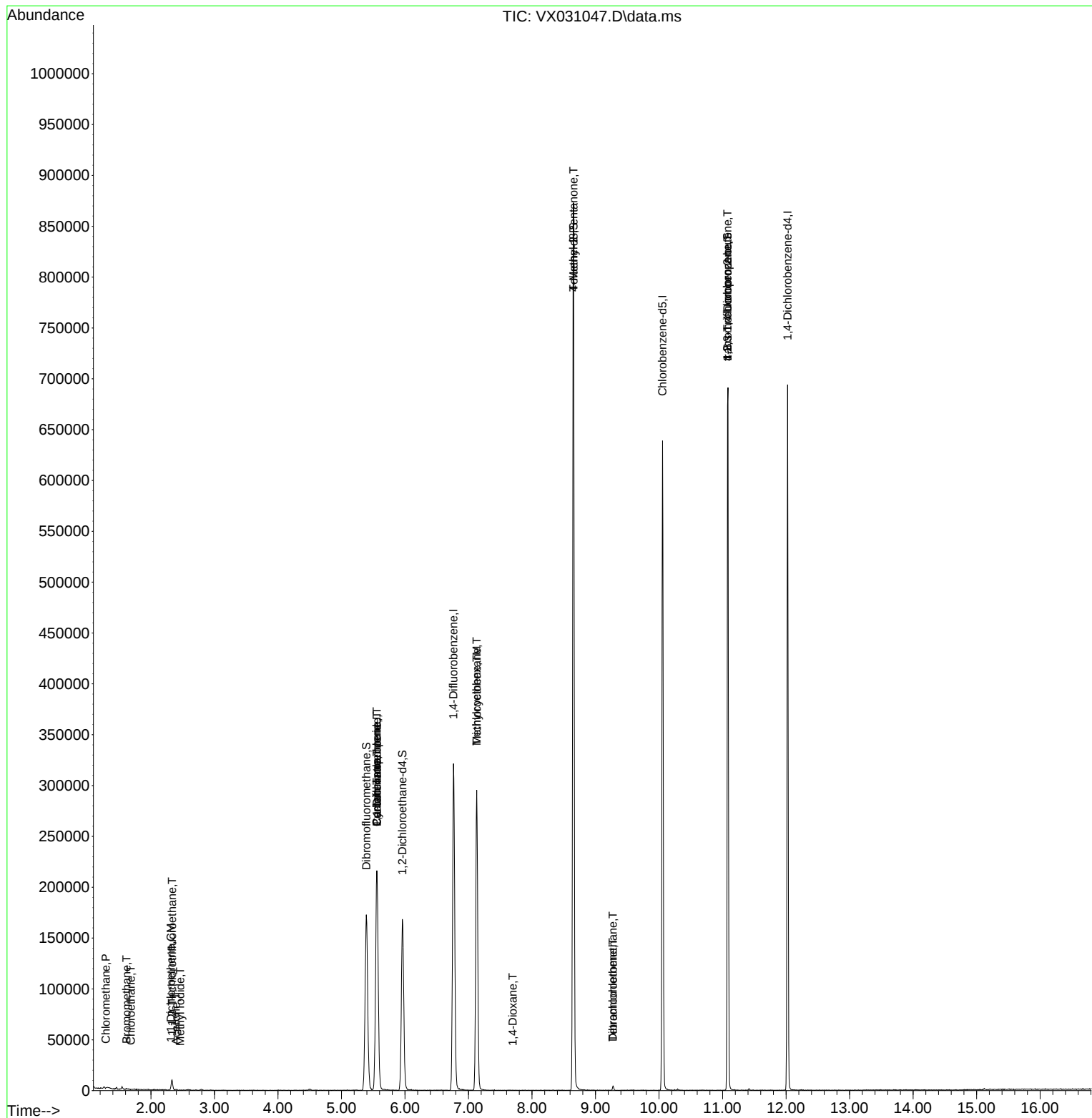
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	220747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	357786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	322766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159745	56.242	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.480%
35) Dibromofluoromethane	5.391	113	154826	59.298	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.600%
50) Toluene-d8	8.653	98	557174	57.982	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	115.960%#
62) 4-Bromofluorobenzene	11.079	95	195772	57.681	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.360%
Target Compounds						Qvalue
3) Chloromethane	1.288	50	174	0.779	ug/l #	42
5) Bromomethane	1.617	94	254	0.239	ug/l #	73
6) Chloroethane	1.685	64	72	1.780	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	3948	1.487	ug/l	95
10) Methyl Iodide	2.459	142	91	2.942	ug/l #	42
11) Tert butyl alcohol	2.983	59	106	Below Cal	#	74
12) 1,1-Dichloroethene	2.312	96	578	0.225	ug/l #	53
16) Acetone	2.392	43	633	0.577	ug/l #	32
20) Methylene Chloride	2.800	84	521	Below Cal	#	57
31) Cyclohexane	5.556	56	3586	0.924	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	15243	4.168	ug/l #	48
38) Carbon Tetrachloride	5.556	117	20984	5.528	ug/l #	18
39) Methylcyclohexane	7.129	83	1412	0.312	ug/l #	1
44) Trichloroethene	7.129	130	123965	37.300	ug/l	96
49) 1,4-Dioxane	7.696	88	75	0.983	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	1557	0.488	ug/l #	1
60) Dibromochloromethane	9.275	129	769	0.256	ug/l #	11
64) Tetrachloroethene	9.275	164	674	0.209	ug/l #	71
76) 1,2,3-Trichloropropane	11.079	75	90338	26.148	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	90338	82.177	ug/l #	13

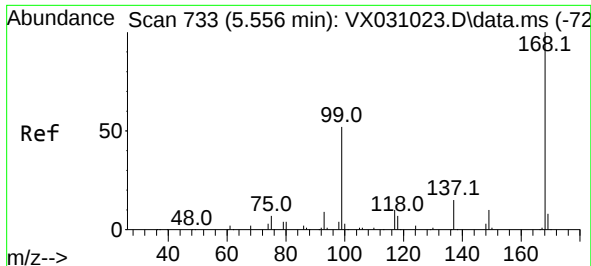
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
RE120D3-20220822

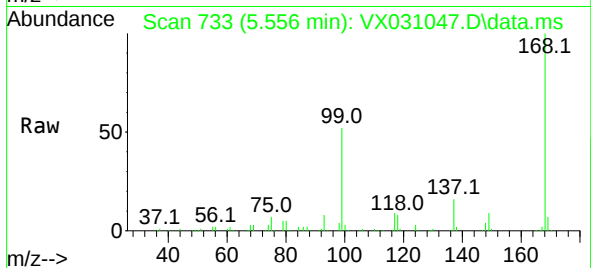
Quant Time: Sep 02 02:58:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration



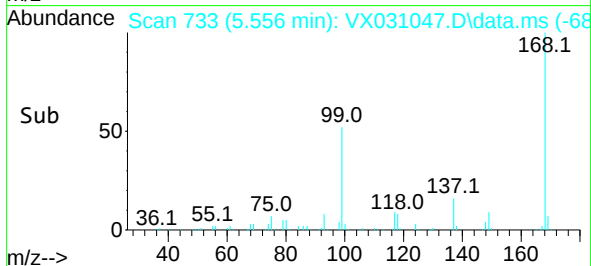
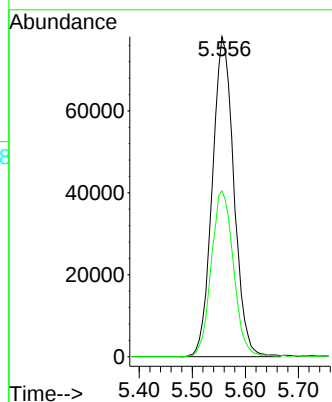


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20220822

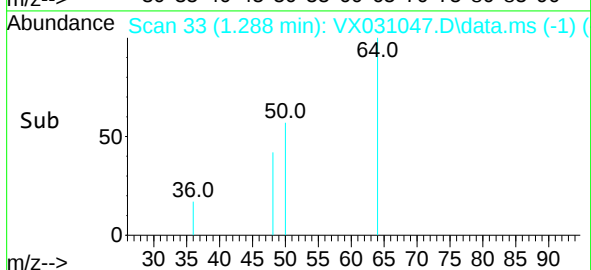
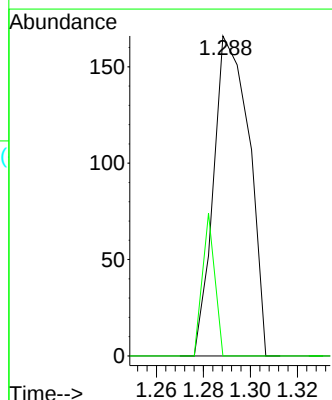
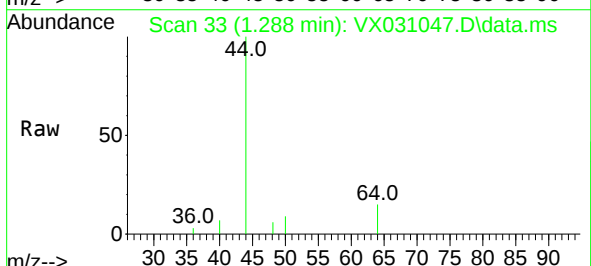


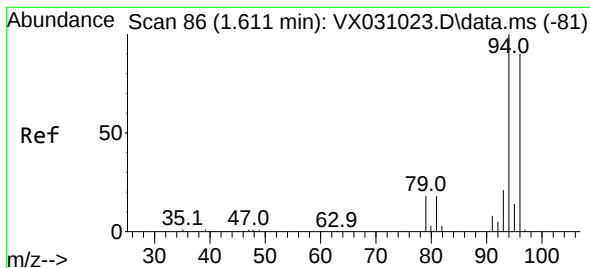
Tgt Ion:168 Resp: 220747
Ion Ratio Lower Upper
168 100
99 51.8 44.0 66.0



#3
Chloromethane
Concen: 0.779 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion: 50 Resp: 174
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

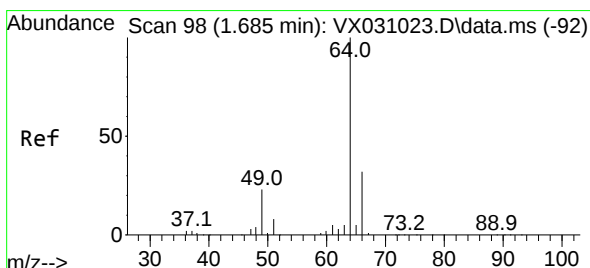
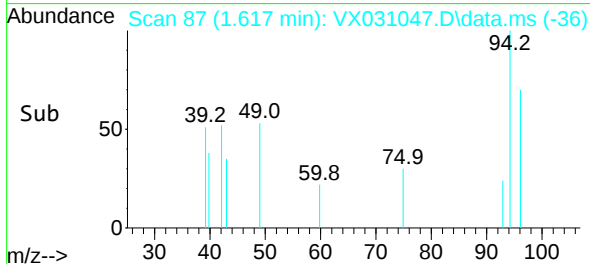
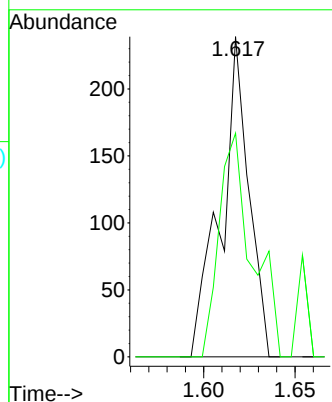
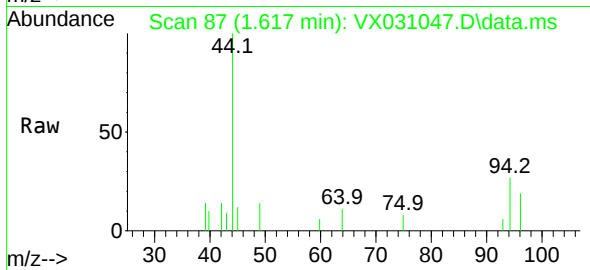




#5
Bromomethane
Concen: 0.239 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

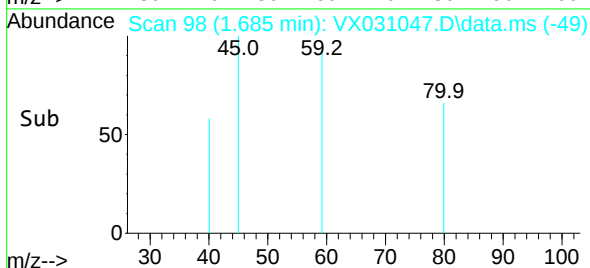
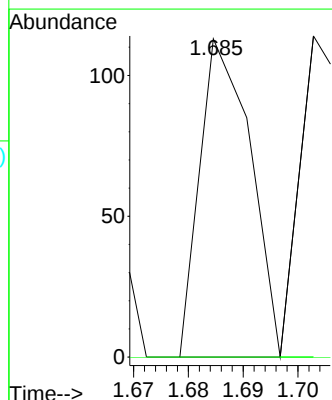
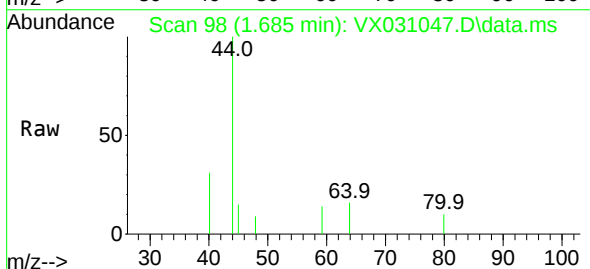
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20220822

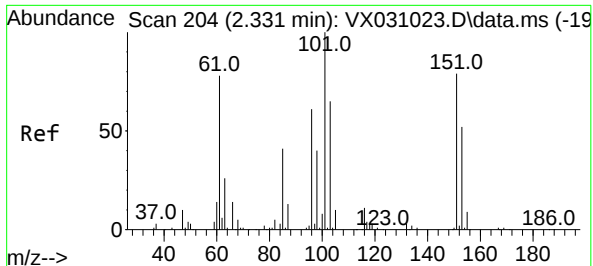
Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 69.9 76.9 115.3#



#6
Chloroethane
Concen: 1.780 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

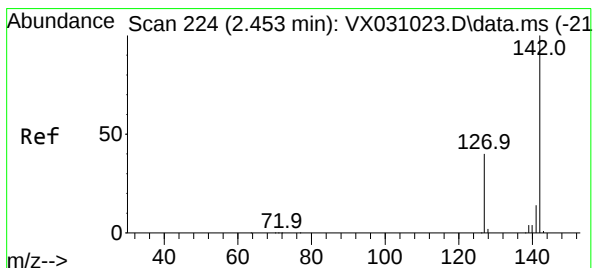
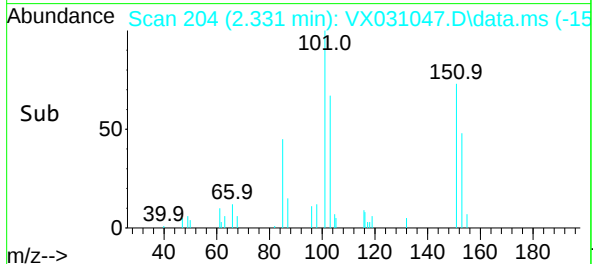
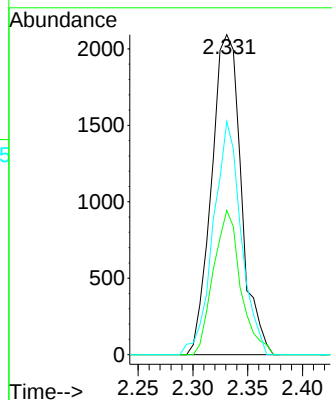
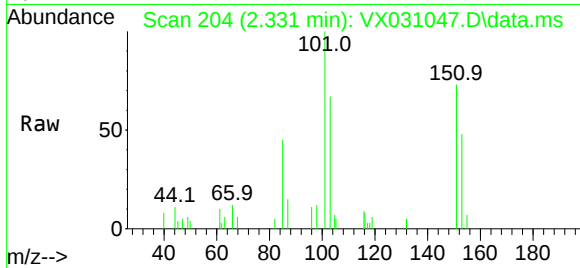




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.487 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

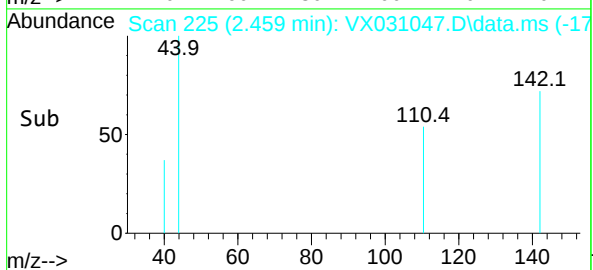
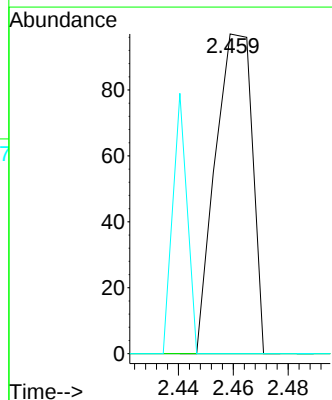
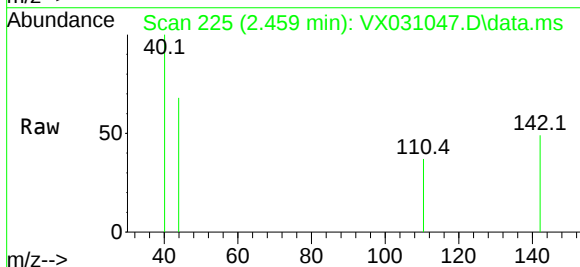
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20220822

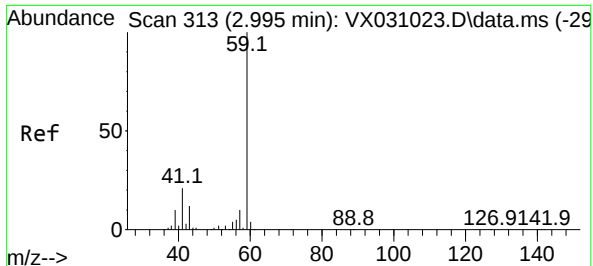
Tgt Ion:101 Resp: 3948
Ion Ratio Lower Upper
101 100
85 41.2 34.0 51.0
151 68.1 59.4 89.0



#10
Methyl Iodide
Concen: 2.942 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion:142 Resp: 91
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 31.9 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.983 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX031047.D

Acq: 02 Sep 2022 02:00

Instrument :

MSVOA_X

ClientSampleId :

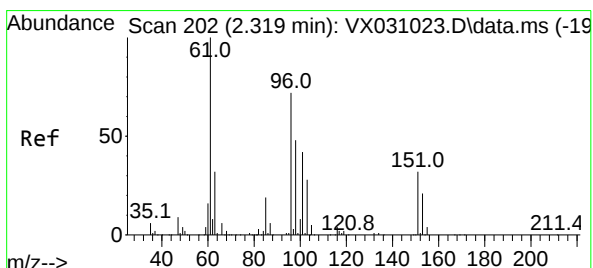
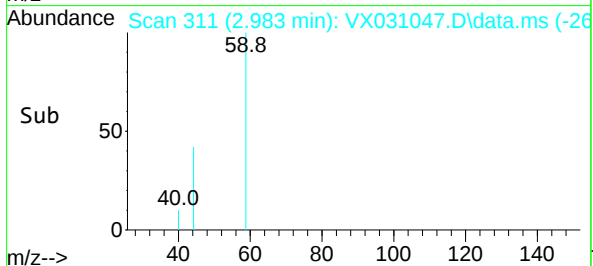
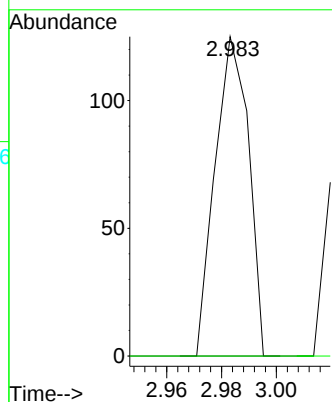
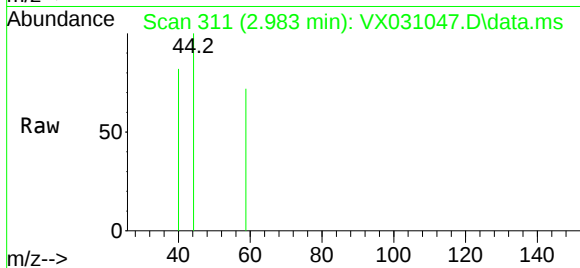
RE120D3-20220822

Tgt Ion: 59 Resp: 106

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.225 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.007 min

Lab File: VX031047.D

Acq: 02 Sep 2022 02:00

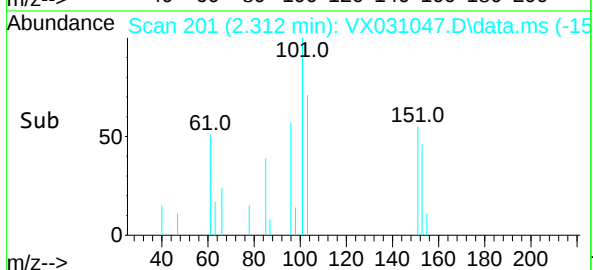
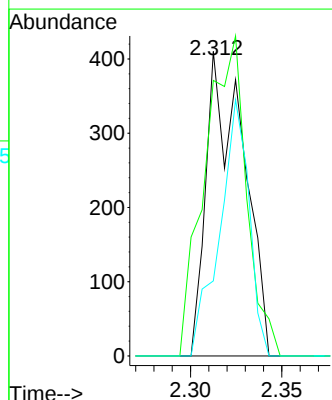
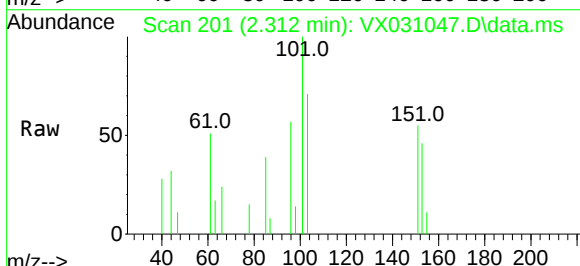
Tgt Ion: 96 Resp: 578

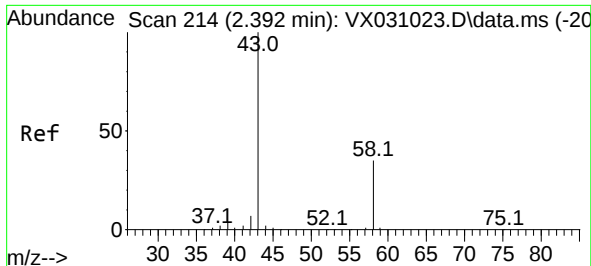
Ion Ratio Lower Upper

96 100

61 90.5 117.4 176.0#

98 24.6 52.2 78.4#

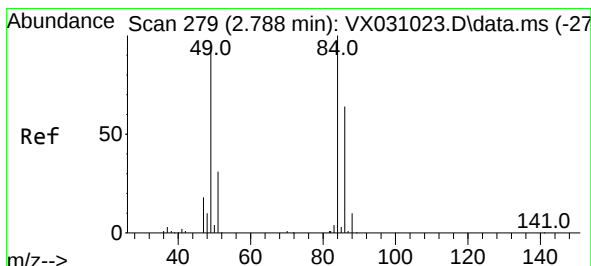
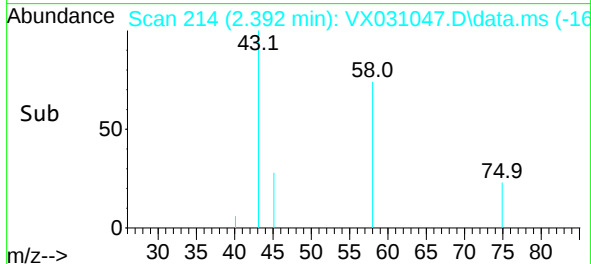
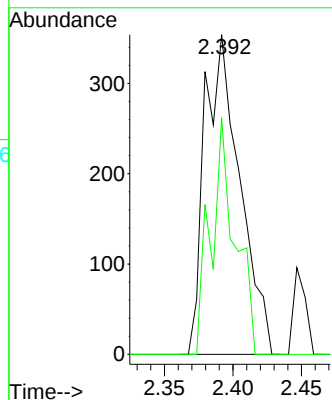
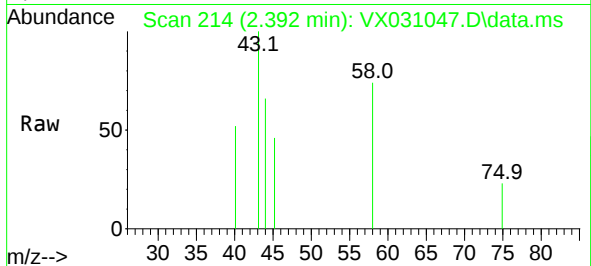




#16
Acetone
Concen: 0.577 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

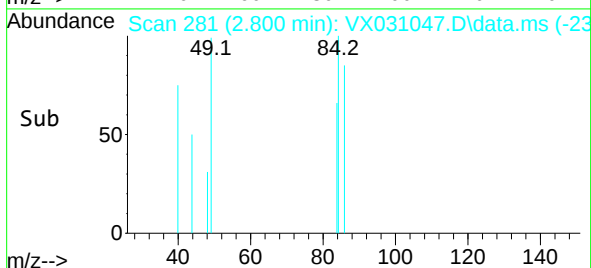
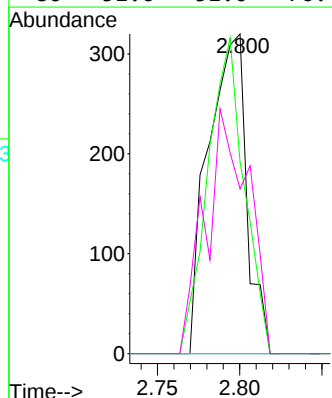
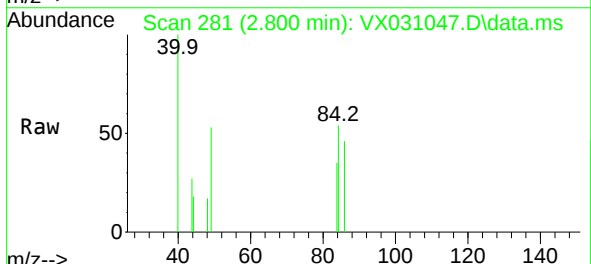
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ClientSampleId :
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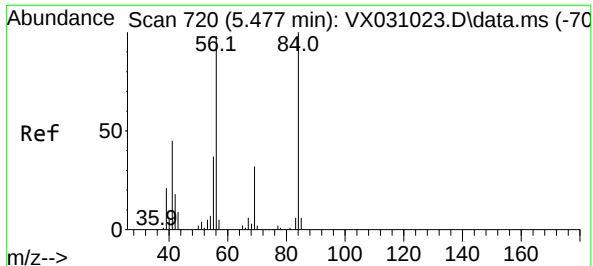
Tgt Ion: 43 Resp: 633
Ion Ratio Lower Upper
43 100
58 74.0 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion: 84 Resp: 521
Ion Ratio Lower Upper
84 100
49 60.0 93.8 140.6#
51 0.0 29.4 44.0#
86 51.6 51.0 76.4

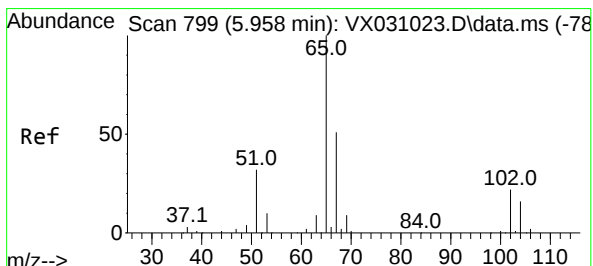
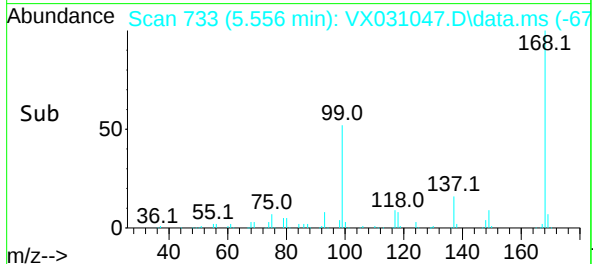
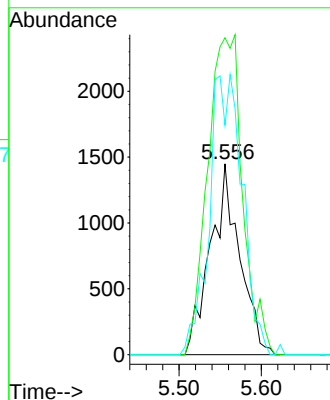
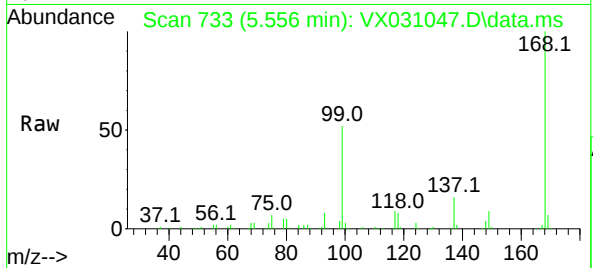




#31
Cyclohexane
Concen: 0.924 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.079 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

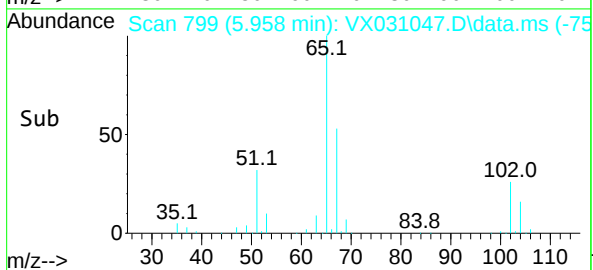
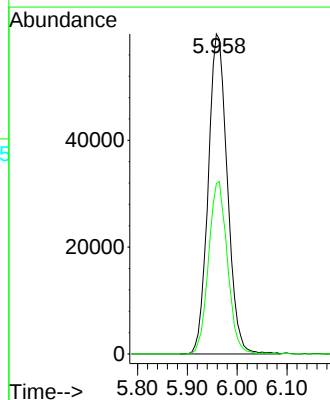
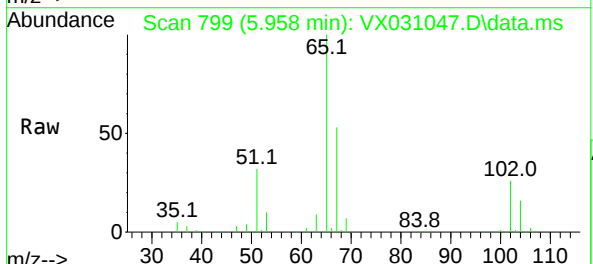
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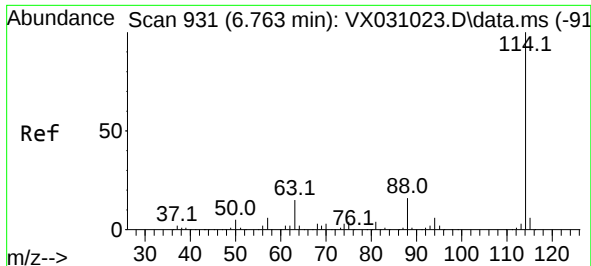
Tgt Ion: 56 Resp: 3586
Ion Ratio Lower Upper
56 100
69 166.1 25.4 38.0#
84 120.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 56.242 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion: 65 Resp: 159745
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6

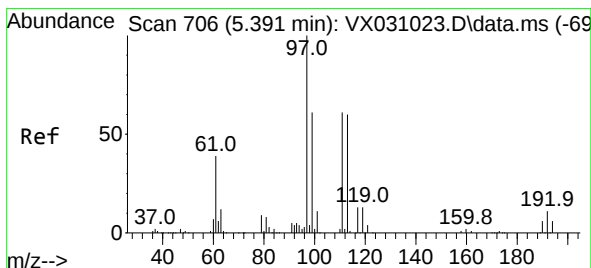
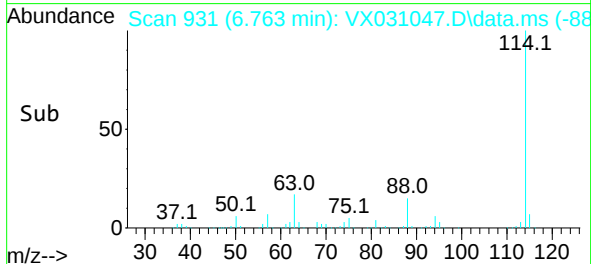
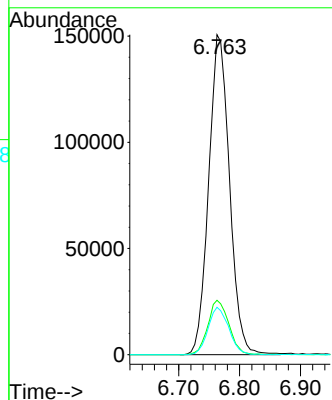
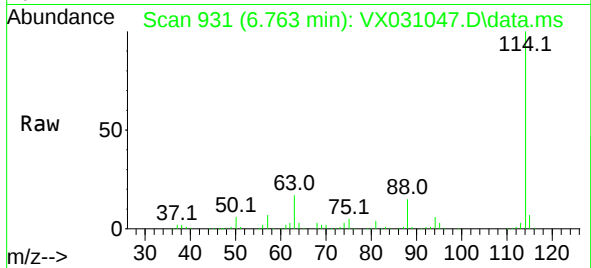




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

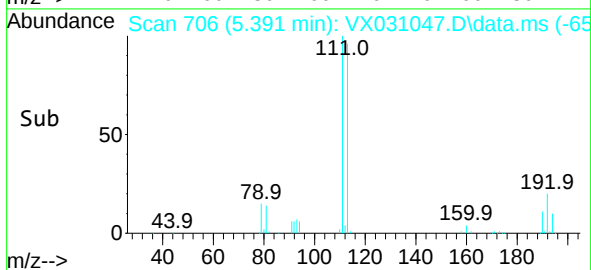
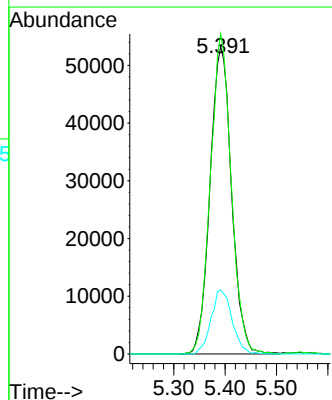
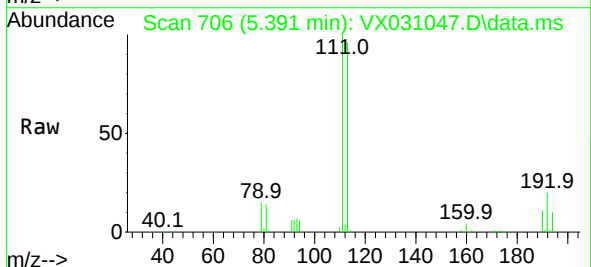
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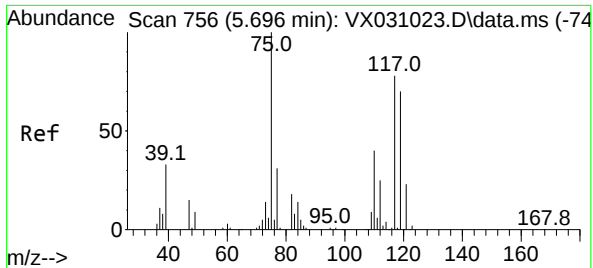
Tgt Ion:114 Resp: 357786
Ion Ratio Lower Upper
114 100
63 17.0 0.0 38.4
88 14.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 59.298 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion:113 Resp: 154826
Ion Ratio Lower Upper
113 100
111 100.7 83.2 124.8
192 20.3 14.8 22.2

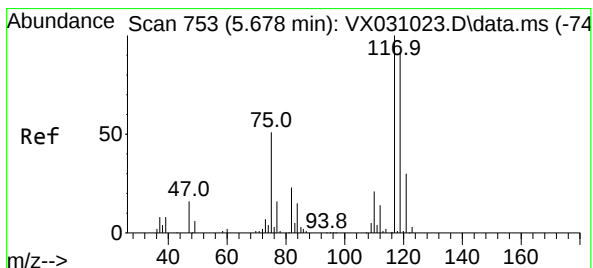
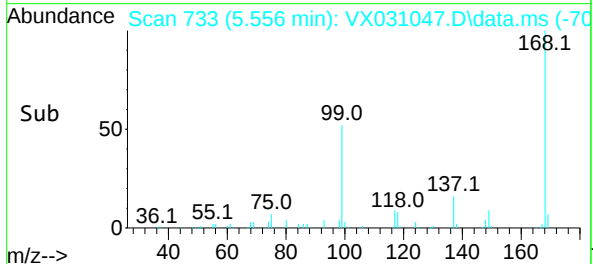
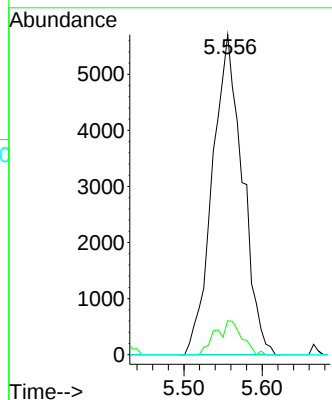
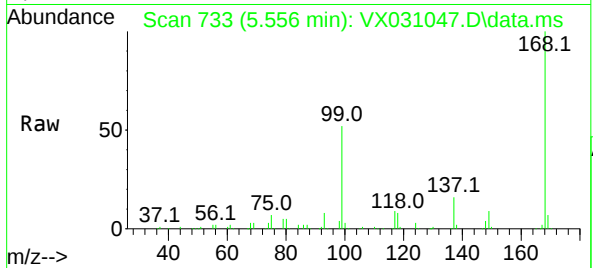




#36
1,1-Dichloropropene
Concen: 4.168 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

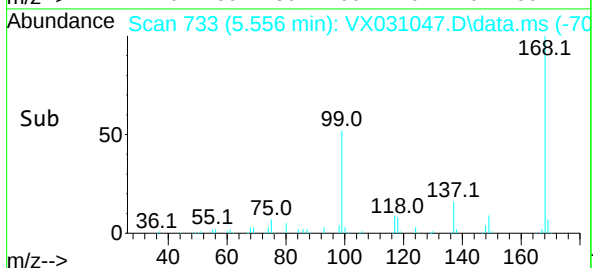
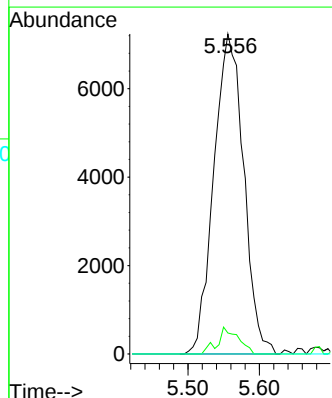
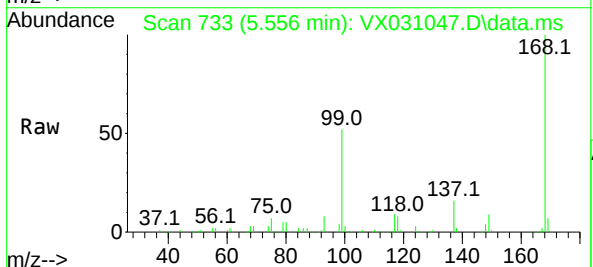
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20220822

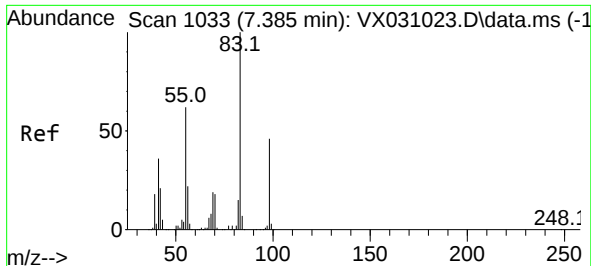
Tgt Ion: 75 Resp: 15243
Ion Ratio Lower Upper
75 100
110 9.3 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.528 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion: 117 Resp: 20984
Ion Ratio Lower Upper
117 100
119 6.5 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.312 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX031047.D

Acq: 02 Sep 2022 02:00

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20220822

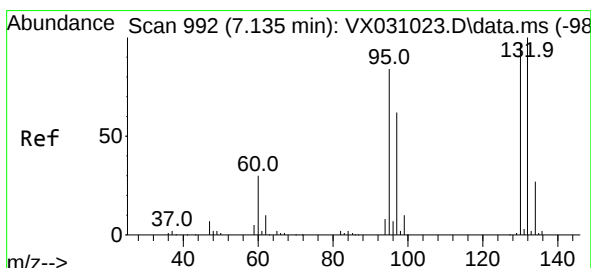
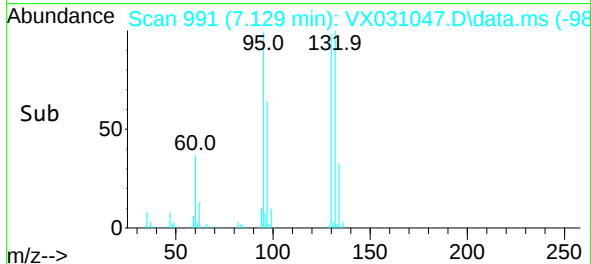
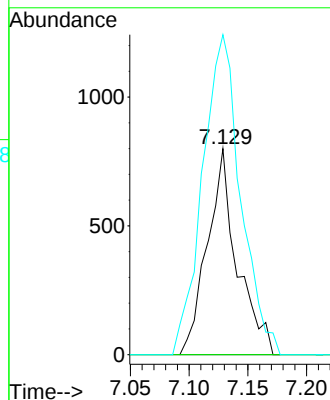
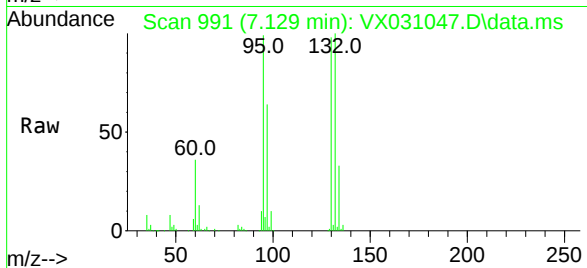
Tgt Ion: 83 Resp: 1412

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 155.2 36.5 54.7#



#44

Trichloroethene

Concen: 37.300 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX031047.D

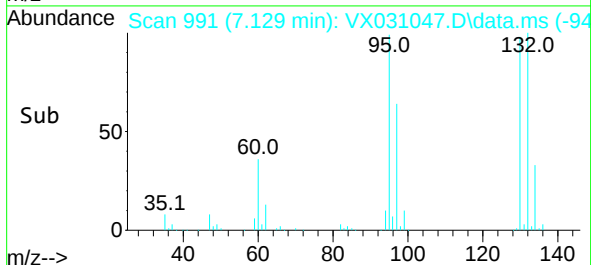
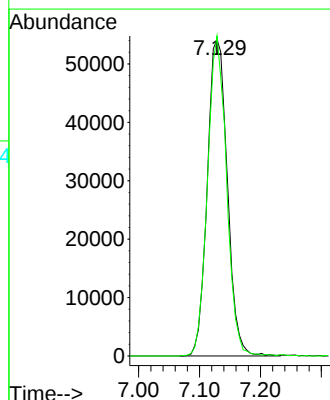
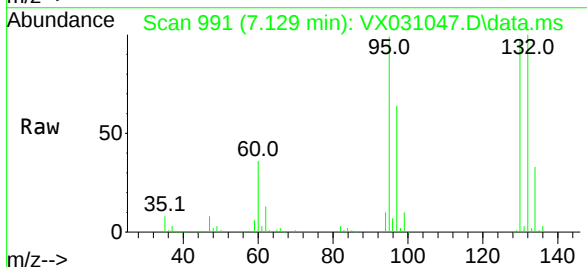
Acq: 02 Sep 2022 02:00

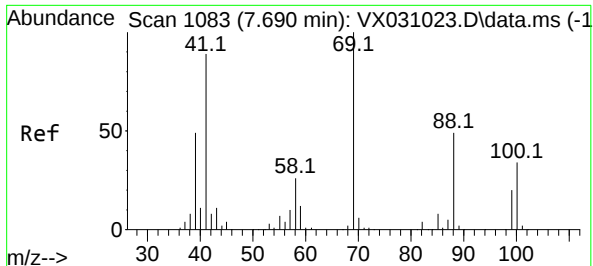
Tgt Ion:130 Resp: 123965

Ion Ratio Lower Upper

130 100

95 101.1 0.0 194.8





#49

1,4-Dioxane

Concen: 0.983 ug/l

RT: 7.696 min Scan# 1

Delta R.T. 0.019 min

Lab File: VX031047.D

Acq: 02 Sep 2022 02:00

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20220822

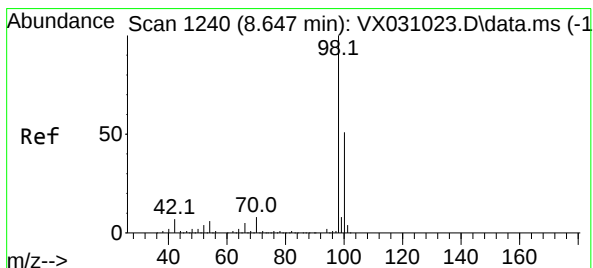
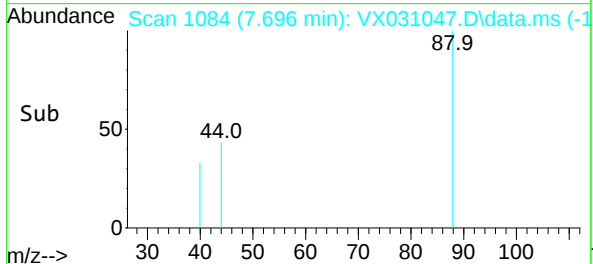
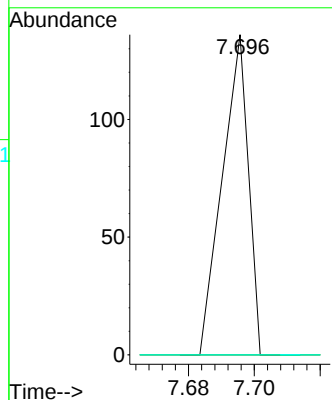
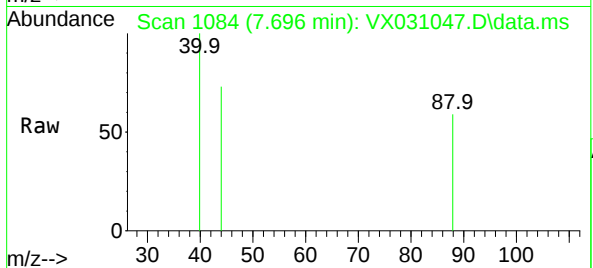
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 57.982 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031047.D

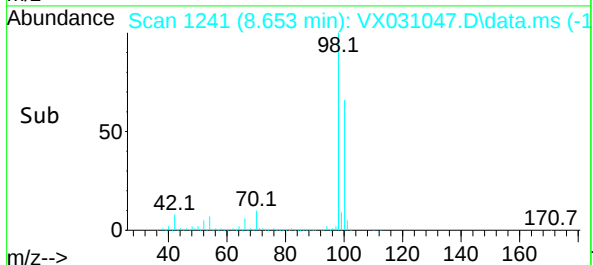
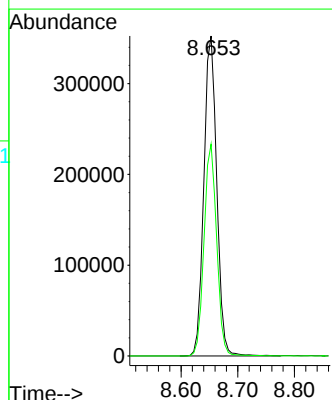
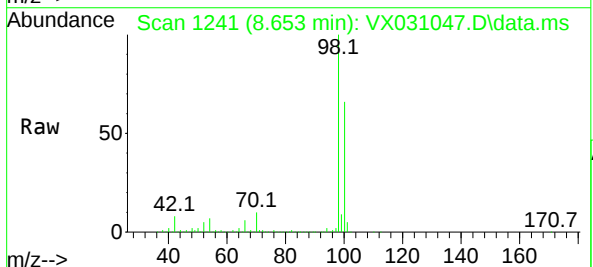
Acq: 02 Sep 2022 02:00

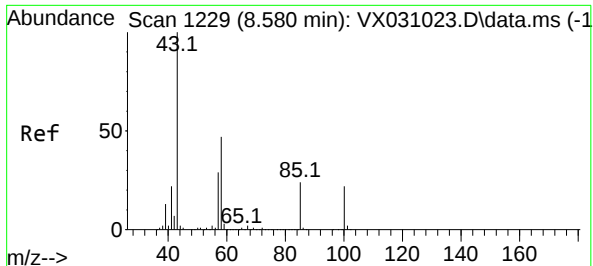
Tgt Ion: 98 Resp: 557174

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.488 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX031047.D

Acq: 02 Sep 2022 02:00

Instrument :

MSVOA_X

ClientSampleId :

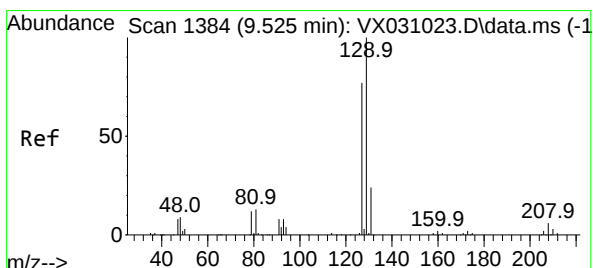
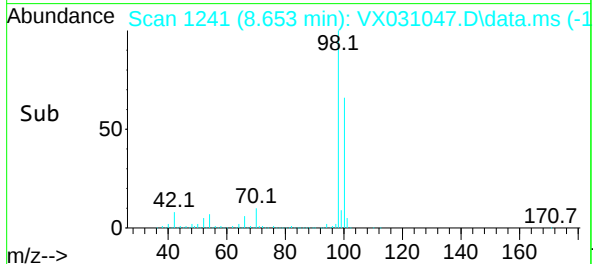
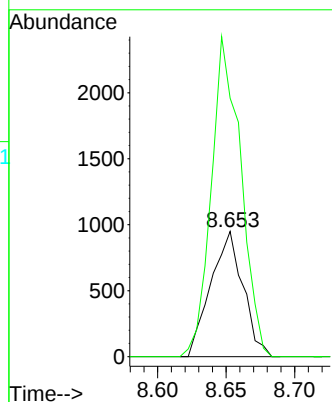
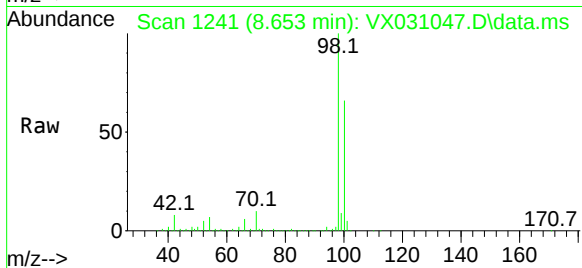
RE120D3-20220822

Tgt Ion: 43 Resp: 1557

Ion Ratio Lower Upper

43 100

58 233.2 31.4 47.2#



#60

Dibromochloromethane

Concen: 0.256 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX031047.D

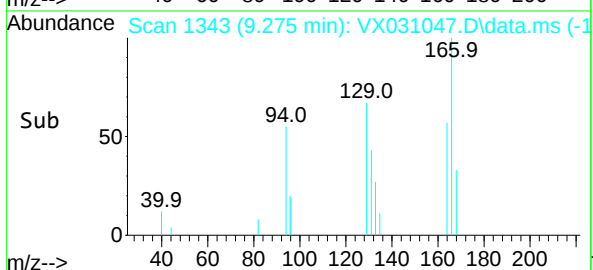
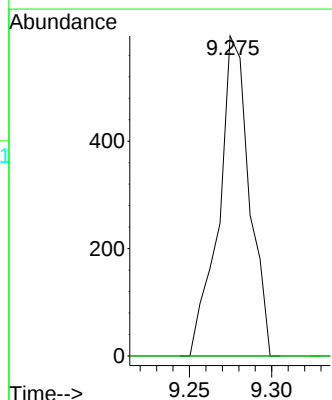
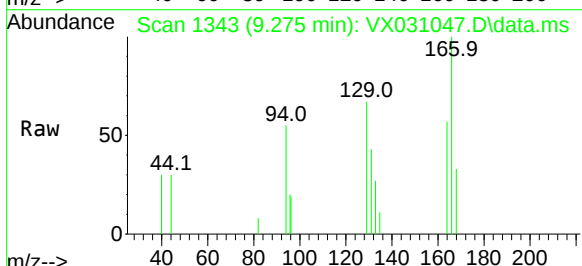
Acq: 02 Sep 2022 02:00

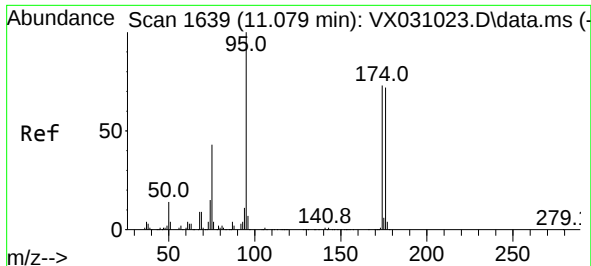
Tgt Ion: 129 Resp: 769

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

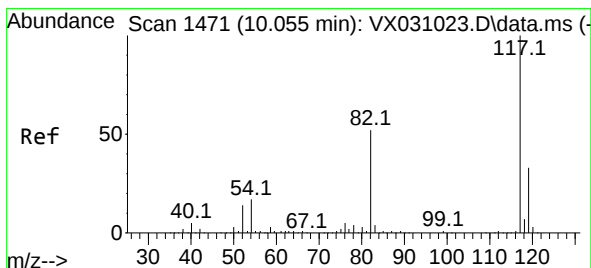
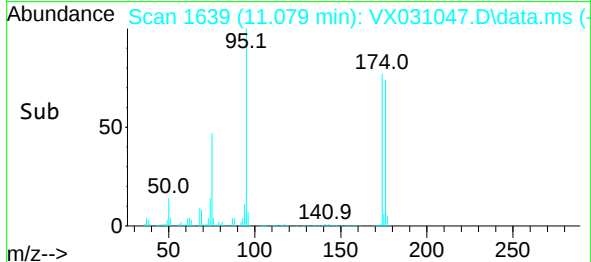
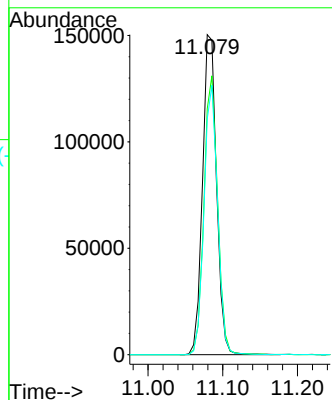
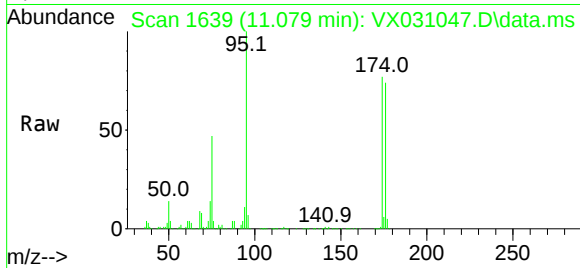




#62
4-Bromofluorobenzene
Concen: 57.681 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

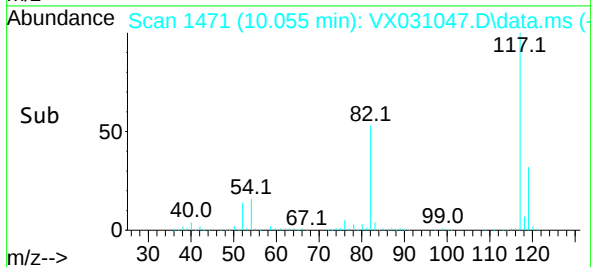
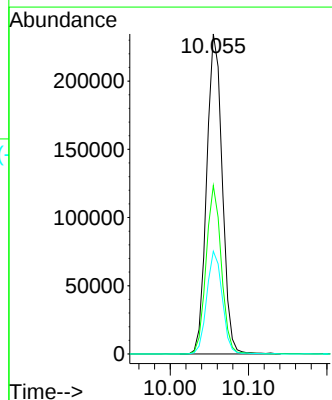
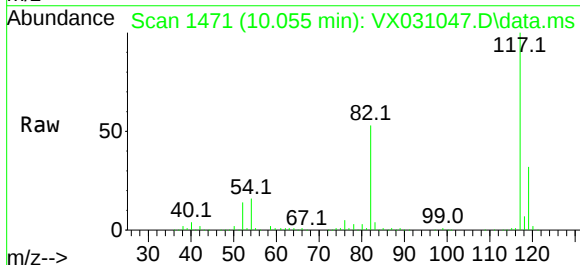
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20220822

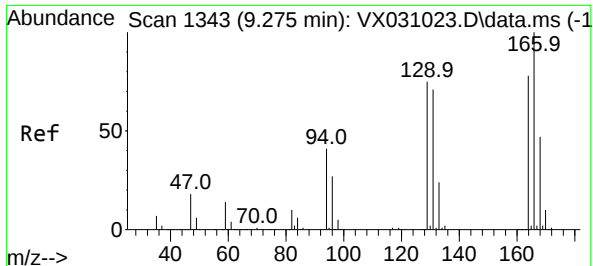
Tgt Ion: 95 Resp: 195772
Ion Ratio Lower Upper
95 100
174 84.8 0.0 149.0
176 81.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

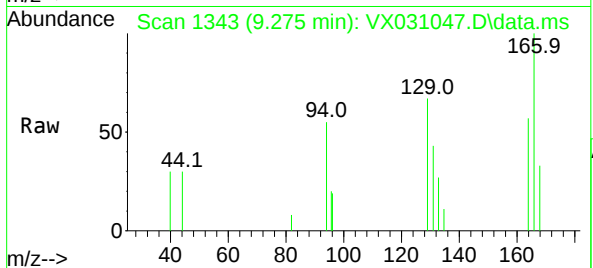
Tgt Ion: 117 Resp: 322766
Ion Ratio Lower Upper
117 100
82 52.6 42.7 64.1
119 32.1 25.4 38.2



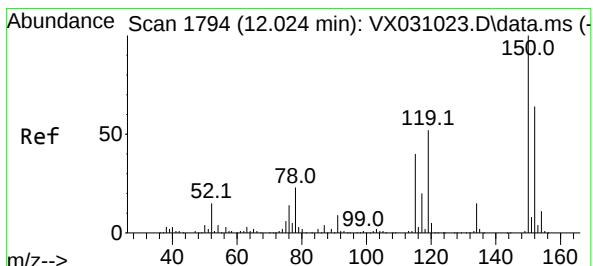
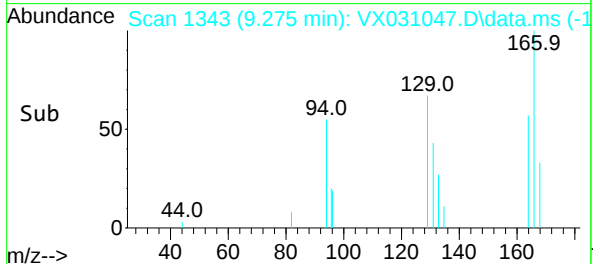
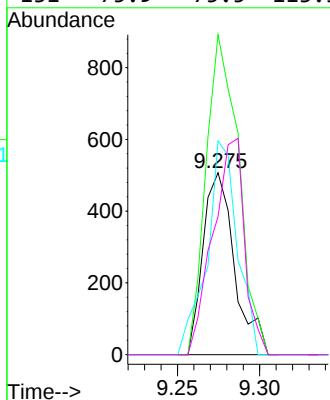


#64
Tetrachloroethene
Concen: 0.209 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20220822

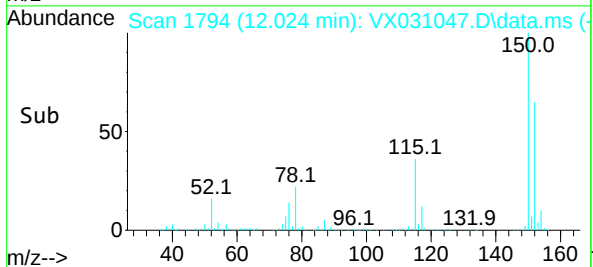
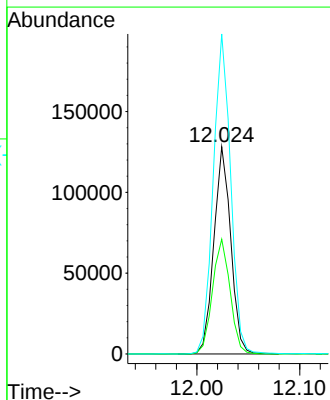
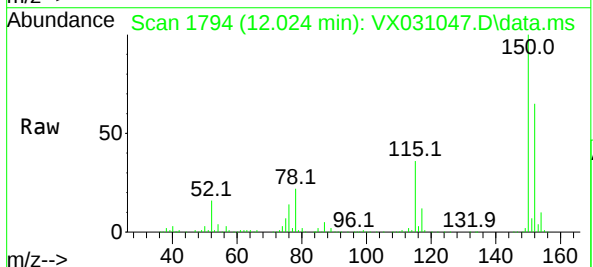


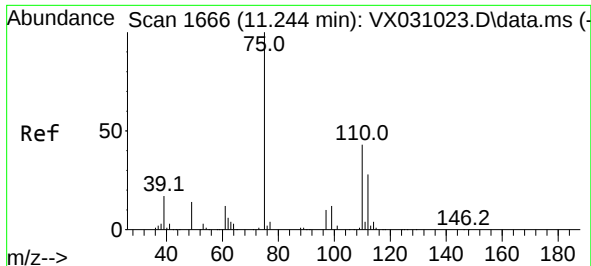
Tgt Ion:164 Resp: 674
Ion Ratio Lower Upper
164 100
166 175.9 98.2 147.4#
129 117.6 80.8 121.2
131 75.9 75.5 113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion:152 Resp: 146150
Ion Ratio Lower Upper
152 100
115 57.6 40.5 121.5
150 158.6 0.0 347.0

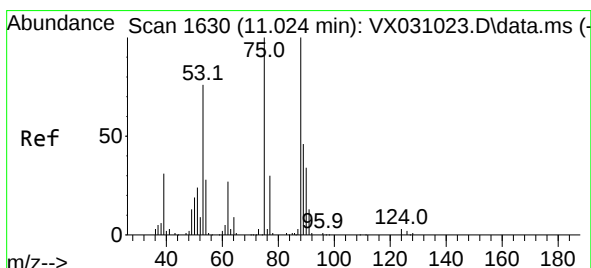
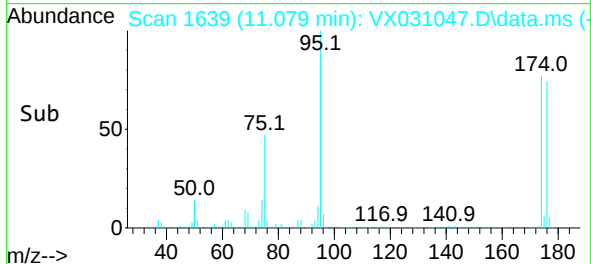
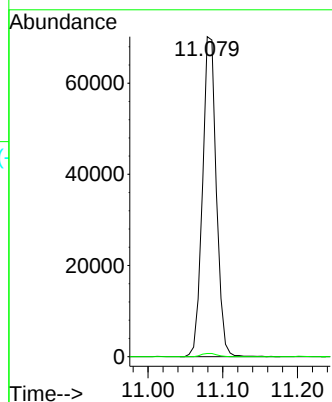
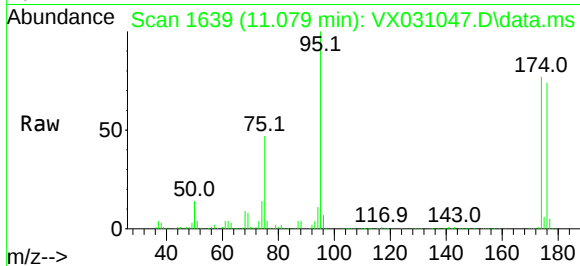




#76
1,2,3-Trichloropropane
Concen: 26.148 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20220822

Tgt Ion: 75 Resp: 90338
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031047.D
Acq: 02 Sep 2022 02:00

Tgt Ion: 75 Resp: 90338
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

